

10/500,354 04/03/2010

e bepotastine/cn

E1	1	BEPOLIT D, POLYMER WITH 2,5-FURANDIONE AND 2,2'-OXYBIS(ETHANOL)/CN
E2	1	BEPOLIT D, POLYMER WITH 2,5-FURANDIONE, 1,2-PROPANEDIOL AND 1,2,3-PROPANETRIOL/CN
E3	1	--> BEPOTASTINE/CN
E4	1	BEPOTASTINE BENZENESULFONATE SALT/CN
E5	1	BEPOTASTINE BESILATE/CN
E6	1	BEPOTASTINE BESYLATE/CN
E7	1	BEPOTASTINE CALCIUM SALT/CN
E8	1	BEPOTASTINE L-MENTHYL ESTER/CN
E9	1	BEPOTASTINE L-MENTHYL ESTER N-BENZYLOXYCARBONYL-L-ASPARTATE SALT/CN
E10	1	BEPOX 1073/CN
E11	1	BEPOX 10TS/CN
E12	1	BEPOX 1268/CN

=> s e3-e7

	1	BEPOTASTINE/CN
	1	"BEPOTASTINE BENZENESULFONATE SALT"/CN
	1	"BEPOTASTINE BESILATE"/CN
	1	"BEPOTASTINE BESYLATE"/CN
	1	"BEPOTASTINE CALCIUM SALT"/CN
L1	3	(BEPOTASTINE/CN OR "BEPOTASTINE BENZENESULFONATE SALT"/CN OR "BEPOTASTINE BESILATE"/CN OR "BEPOTASTINE BESYLATE"/CN OR "BEPOTASTINE CALCIUM SALT"/CN)

=> file caplus

=> s l1

L2 66 L1

=> s liquid or aqueous

	912547	LIQUID
	160474	LIQUIDS
	1031002	LIQUID
		(LIQUID OR LIQUIDS)
	1286005	LIQ
	120465	LIQS
	1331458	LIQ
		(LIQ OR LIQS)
	1828095	LIQUID
		(LIQUID OR LIQ)
	217955	AQUEOUS
	1	AQUEOUSES
	217956	AQUEOUS
		(AQUEOUS OR AQUEOUSES)
	1186974	AQ
	222	AQS
	1187114	AQ
		(AQ OR AQS)
	1241723	AQUEOUS
		(AQUEOUS OR AQ)
L3	2927927	LIQUID OR AQUEOUS

=> s l2 and l3

L4 7 L2 AND L3

=> d ibib abs hitind 1-7

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2007:259702 CAPLUS <<LOGINID::20100402>>
 DOCUMENT NUMBER: 146:302320
 TITLE: Antihistamine- and corticosteroid-containing liposomes
 and compositions for treating rhinitis and related
 disorders
 INVENTOR(S): Pereswetoff-Morath, Lena; Carlsson, Anders; Bjerke,
 Torbjoem
 PATENT ASSIGNEE(S): Biolipox AB, Swed.
 SOURCE: PCT Int. Appl., 38pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2007026151	A1	20070308	WO 2006-GB3222	20060831
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
CA 2616515	A1	20070308	CA 2006-2616515	20060831
EP 1919450	A1	20080514	EP 2006-779244	20060831
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2009507009	T	20090219	JP 2008-528575	20060831
IN 2008DN00881	A	20080627	IN 2008-DN881	20080131
CN 101257891	A	20080903	CN 2006-80032191	20080303
US 20090324699	A1	20091231	US 2009-991091	20090410
PRIORITY APPLN. INFO.:			US 2005-712822P	P 20050901
			WO 2006-GB3222	W 20060831

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:1312374 CAPLUS <<LOGINID::20100402>>
 DOCUMENT NUMBER: 146:68699
 TITLE: Method and composition comprising polar lipid
 liposomes for treating inflammatory disorders
 INVENTOR(S): Pereswetoff-Morath, Lena; Carlsson, Anders
 PATENT ASSIGNEE(S): Biolipox AB, Swed.
 SOURCE: PCT Int. Appl., 83pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2006131737 A2 20061214 WO 2006-GB2090 20060608
 WO 2006131737 A3 20070329
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 AU 2006256518 A1 20061214 AU 2006-256518 20060608
 CA 2608631 A1 20061214 CA 2006-2608631 20060608
 EP 1888033 A2 20080220 EP 2006-744143 20060608
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BA, HR, MK, YU
 JP 2008542438 T 20081127 JP 2008-515287 20060608
 NO 2007005660 A 20080222 NO 2007-5660 20071107
 IN 2007DN08751 A 20071214 IN 2007-DN8751 20071114
 KR 2008016621 A 20080221 KR 2007-728659 20071207
 MX 2007015577 A 20080225 MX 2007-15577 20071207
 CN 101193622 A 20080604 CN 2006-80020535 20071210
 US 20090220583 A1 20090903 US 2009-921850 20090410
 PRIORITY APPLN. INFO.: US 2005-688698P P 20050609
 US 2005-696777P P 20050707
 WO 2006-GB2090 W 20060608

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 146:68699

AB Homogeneous pharmaceutical compns. for the treatment of inflammatory disorders are provided, comprising an anti-inflammatory and/or antihistaminic active ingredient, a polar lipid liposome and a pharmaceutically acceptable aqueous carrier. Thus, an injection solution was prepared containing fluticasone propionate 0.5 mg, soybean (Lipoid S100) 17.5 mg, DMPC 17.5 mg, benzalkonium chloride 0.1 mg, butylated hydroxytoluene 0.1 mg, citric acid 19.2 mg, sodium hydroxide 8.4 mg, 1M HCl and/or 1M NaOH to pH 5.5, and water for injection to 1 mL.

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:179236 CAPLUS <<LOGINID::20100402>>

DOCUMENT NUMBER: 142:266777

TITLE: Pharmaceutical compositions containing epinastine and other anti-H1-histamines for treatment of skin disease
 INVENTOR(S): Matsumoto, Ikki; Okada, Minoru; Umehara, Norimitsu
 PATENT ASSIGNEE(S): Boehringer Ingelheim International GmbH, Germany
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005053907	A	20050303	JP 2004-223680	20040730
PRIORITY APPLN. INFO.:			EP 2003-16681	A 20030801

AB The invention relates to a pharmaceutical compns. for treatment of skin disease, e.g. urticaria, eczema, dermatitis, pruritus, psoriasis vulgaris, wherein the composition is characterized by containing epinastine and other anti-H1-histamine. A tablet containing epinastine hydrochloride and d-chlorpheniramine maleate with other ingredients was formulated.

IC ICM A61K031-55
ICS A61K031-131; A61K031-135; A61K031-137; A61K031-40; A61K031-437; A61K031-4402; A61K031-4418; A61K031-4436; A61K031-445; A61K031-4465; A61K031-495; A61K031-496; A61K031-5415; A61K031-542; A61K031-551; A61K045-00; A61P017-00; A61P017-04; A61P029-00

CC 63-6 (Pharmaceuticals)

IT Drug delivery systems
(liqs., oral; pharmaceutical compns. containing epinastine and other anti-H1-histamines for treatment of skin disease)

IT 58-73-1, Diphenhydramine 60-87-7, Promethazine 68-88-2, Hydroxyzine 84-96-8, Alimemazine 91-81-6, Tripelenamine 91-85-0 113-92-8 129-03-3, Cyproheptadine 132-18-3, Diphenylpyraline hydrochloride 147-20-6, Diphenylpyraline 482-15-5, Isothipendyl 486-12-4, Triprolidine 486-16-8, Carbinoxamine 522-24-7, Phenetazine 524-81-2, Mebhydrolin 848-53-3, Homochlorcyclizine 1982-37-2, Methdilazine 2438-32-6, d-Chlorpheniramine maleate 7491-10-3, Diphenhydramine salicylate 13946-02-6, Iproheptine 14587-50-9, Dipheteterol 15686-51-8, Clemastine 29216-28-2, Mequitazine 34580-13-7, Ketotifen 50679-08-8, Terfenadine 58581-89-8, Azelastine 60607-34-3, Oxatomide 80012-43-7, Epinastine 83799-24-0, Fexofenadine 83881-51-0, Cetirizine 87233-61-2, Emedastine 90729-43-4, Ebastine 103659-13-8 108929-04-0, Epinastine hydrochloride 113806-05-6, Olopatadine 125602-71-3, Bepotastine 845964-02-5 845964-03-6 845964-04-7 845964-05-8 845964-06-9 845964-07-0
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceutical compns. containing epinastine and other anti-H1-histamines for treatment of skin disease)

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:203679 CAPLUS <<LOGINID::20100402>>

DOCUMENT NUMBER: 140:229437

TITLE: The use of the combination of ciclesonide and antihistamines for the treatment of allergic rhinitis and/or allergic conjunctivitis

INVENTOR(S): Marx, Degenhard; Muller, Helgert

PATENT ASSIGNEE(S): Altana Pharma A.-G., Germany

SOURCE: PCT Int. Appl., 18 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2004019955	A1	20040311	WO 2003-EP9622	20030829
W: AE, AL, AU, BA, BR, CA, CN, CO, DZ, EC, GE, HR, ID, IL, IN, IS, JP, KR, LT, LV, MA, MK, MX, NO, NZ, PH, PL, SG, TN, UA, US, VN, YU, ZA, ZW				
RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
CA 2495830	A1	20040311	CA 2003-2495830	20030829
AU 2003273396	A1	20040319	AU 2003-273396	20030829

AU 2003273396 B2 20081211
 BR 2003013611 A 20050621 BR 2003-13611 20030829
 EP 1545548 A1 20050629 EP 2003-755551 20030829
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 CN 1674916 A 20050928 CN 2003-819860 20030829
 JP 2005539044 T 20051222 JP 2004-532150 20030829
 NZ 538954 A 20070427 NZ 2003-538954 20030829
 ZA 2005000719 A 20060222 ZA 2005-719 20050125
 IN 2005MN00097 A 20051104 IN 2005-MN97 20050131
 MX 2005001885 A 20050603 MX 2005-1885 20050216
 US 20050245493 A1 20051103 US 2005-524821 20050218
 NO 2005001521 A 20050322 NO 2005-1521 20050322
 PRIORITY APPLN. INFO.: EP 2002-19406 A 20020830
 WO 2003-EP9622 W 20030829

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The invention relates to a combination of ciclesonide with an
 antihistamine (e.g. azelastine) for the treatment of allergic rhinitis
 and/or allergic conjunctivitis.

IC ICM A61K031-58

ICS A61P037-08; A61P011-00

CC 1-7 (Pharmacology)

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:100995 CAPLUS <<LOGINID::20100402>>

DOCUMENT NUMBER: 140:117446

TITLE: Aqueous liquid preparations and
 light-stabilized aqueous liquid
 preparations of bepotastine

INVENTOR(S): Higashiyama, Masayo

PATENT ASSIGNEE(S): Senju Pharmaceutical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004011001	A1	20040205	WO 2003-JP9713	20030730
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,				
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,				
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,				
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,				
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003252746	A1	20040216	AU 2003-252746	20030730
JP 3631748	B2	20050323	JP 2004-524320	20030730
EP 1525884	A1	20050427	EP 2003-771445	20030730
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1612734	A	20050504	CN 2003-801903	20030730
CN 1293880	C	20070110		
US 20050107429	A1	20050519	US 2004-500354	20040630

PRIORITY APPLN. INFO.: JP 2002-223804 A 20020731
WO 2003-JP9713 W 20030730

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Disclosed are aqueous liquid preps. containing
(+)-(S)-4-[4-[(4-chlorophenyl)(2-pyridyl)methoxy]piperidino]butyric acid
or pharmacol. acceptable acid-addition salts thereof, which are stabilized
with water-soluble metal chlorides. An eye drop solution contained bepotastine
besilate 0.3, NaH₂PO₄·2H₂O 0.1, NaCl 0.79, benzalkonium chloride
0.005 g, NaOH q.s. to pH 6.8, and distilled water to 100 mL.

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:900754 CAPLUS <<LOGINID::20100402>>
DOCUMENT NUMBER: 137:346182
TITLE: Drug preparations for cold and rhinitis
INVENTOR(S): Okudaira, Ichio; Ichihara, Takashi; Nakagami, Joji;
Aikawa, Katsuyoshi; Nakagawa, Yasuo
PATENT ASSIGNEE(S): Taisho Pharmaceutical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
JP 2002338486	A	20021127	JP 2001-144658	20010515
PRIORITY APPLN. INFO.:			JP 2001-144658	20010515
AB	Drug preps. containing (A) antiallergics, including emedastine, ebastine, lamatrobane, and/or bepotastine and their salts, (b) parasympatholytics, including belladonna total alkaloid, belladonna extract, scopolia extract, isopropamide iodide, and/or datura extract are claimed for treatment of cold and rhinitis and reduction of nasal secretion. Formulation examples of tablets and liqs. were given.			
IC	ICM A61K035-78 ICS A61K031-16; A61K031-403; A61K031-445; A61K031-551; A61P027-16; A61P031-16			
CC	1-7 (Pharmacology) Section cross-reference(s): 63			
IT	Drug delivery systems (liqs.; antiallergic and parasympatholytic drug preps. for cold and rhinitis)			
IT	71-81-8, Isopropamide iodide 91-81-6, Tripeleminamine 147-24-0, Diphenhydramine hydrochloride 87233-61-2, Emedastine 90729-43-4, Ebastine 116649-85-5, Ramatroban 125602-71-3, Bepotastine RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (antiallergic and parasympatholytic drug preps. for cold and rhinitis)			

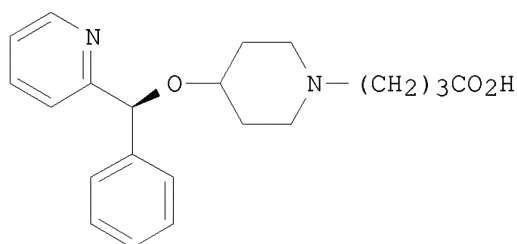
L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1998:485054 CAPLUS <<LOGINID::20100402>>
DOCUMENT NUMBER: 129:122577
ORIGINAL REFERENCE NO.: 129:25117a, 25120a
TITLE: Acid-addition salts of optically active piperidine
compound and process for producing the same
INVENTOR(S): Kita, Jun-ichiro; Fujiwara, Hiroshi; Takamura, Shinji;
Yoshioka, Ryuzo; Ozaki, Yuhiko; Yamada, Shin-ichi
PATENT ASSIGNEE(S): Ube Industries, Ltd., Japan; Tanabe Seiyaku Co., Ltd.
SOURCE: PCT Int. Appl., 43 pp.

CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9829409	A1	19980709	WO 1997-JP4826	19971225
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, GW, HU, ID, IL, IS, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
JP 2000159762	A	20000613	JP 1996-347851	19961226
JP 3157117	B2	20010416		
JP 2000159763	A	20000613	JP 1996-347853	19961226
JP 3157118	B2	20010416		
JP 10237070	A	19980908	JP 1997-350784	19971219
JP 3107784	B2	20001113		
JP 2000198784	A	20000718	JP 2000-32961	19971219
TW 486475	B	20020511	TW 1997-86119702	19971224
CA 2275987	A1	19980709	CA 1997-2275987	19971225
CA 2275987	C	20061219		
AU 9878906	A	19980731	AU 1998-78906	19971225
EP 949260	A1	19991013	EP 1997-949235	19971225
EP 949260	B1	20020522		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
CN 1242013	A	20000119	CN 1997-181039	19971225
CN 1098262	C	20030108		
AT 217872	T	20020615	AT 1997-949235	19971225
PT 949260	E	20020930	PT 1997-949235	19971225
ES 2173499	T3	20021016	ES 1997-949235	19971225
US 6307052	B1	20011023	US 1999-331792	19990625
HK 1022477	A1	20021004	HK 2000-101619	20000316
US 20020026054	A1	20020228	US 2001-949809	20010912
US 6780877	B2	20040824		
CN 1446812	A	20031008	CN 2002-127163	20020730
CN 1231478	C	20051214		
US 20040220226	A1	20041104	US 2004-771361	20040205
US 7282589	B2	20071016		
JP 2007145852	A	20070614	JP 2007-109	20070104
PRIORITY APPLN. INFO.:			JP 1996-347851	A 19961226
			JP 1996-347853	A 19961226
			JP 1996-347895	A 19961226
			JP 1997-350784	A3 19971219
			JP 2000-32961	A3 19971219
			WO 1997-JP4826	W 19971225
			US 1999-331792	A3 19990625
			US 2001-949809	A3 20010912

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
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- AB Claimed are benzenesulfonate and benzoate of (S)-4-[4-[(4-chlorophenyl)(2-pyridyl)methoxy]piperidino]butanoic acid of formula (I) (wherein * represents an asym. carbon atom) which are excellent in antihistaminic and antiallergic activities, and a process for producing them. Thus, optical resolution of (±)-4-[(4-chlorophenyl)(2-pyridyl)methoxy]piperidine [(±)-II] with (2R,3R)-2-hydroxy-3-(4-methoxyphenyl)-3-(2-nitro-5-chlorophenylthio)propionic acid (III) by preferential crystallization of diastereomer salt (S)-(-)-II.III from H₂O/EtOH (7/30 mL) gave (S)-4-[(4-chlorophenyl)(2-pyridyl)methoxy]piperidine (100% ee) which was alkylated by Et 4-bromobutyrate in refluxing acetone containing K₂CO₃ for 7 h to give Et (S)-4-[4-[(4-chlorophenyl)(2-pyridyl)methoxy]piperidino]butyrate (IV). The latter ester IV was stirred with a mixture of aqueous 5 N NaOH and EtOH at room temperature overnight followed by acidification with aqueous 5 N HCl to give I as a foam. I was converted into I.benzenesulfonic acid salt. I.benzenesulfonic acid salt and I.benzoic acid salt were nonhygroscopic and stable and not racemized when they were stored at 40° and 75% relative humidity for 1 mo, while the ester IV was increased in amount of the (R)-isomer under the same condition.
- IC ICM C07D401-12
ICS A61K031-445; C07M007-00
- CC 27-16 (Heterocyclic Compounds (One Hetero Atom))
- IT 125602-71-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(optical resolution; preparation of acid-addition salts of optically active piperidine as antihistaminic and antiallergic agents)
- IT 125602-71-3P 190730-39-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of acid-addition salts of optically active piperidine as antihistaminic and antiallergic agents)
- IT 190786-44-8P 210095-36-6P 210095-48-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of acid-addition salts of optically active piperidine as antihistaminic and antiallergic agents)
- OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
- REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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